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(71) Applicant: **HITACHI LTD**

(72) Inventor: **KAWAMURA HIROMITSU
KAWAMURA TAKAO
OBARA KATSUMI**

(54) **ANTIREFLECTION FILM**

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(57) Abstract:

PURPOSE: To form an antireflection film having fine and uniform ruggedness and to increase the mechanical strength of the film by coating a soln. of a specific compd. added with fine SiO_2 particles on the surface of a glass body and calcining the coating.

CONSTITUTION: The antireflection film consisting of the fine SiO_2 particles 1 and a thin SiO_2 film coating the fine particles 1 is formed on the surface of the glass body used for a cathode ray tube liquid crystal display device, etc. This film is formed by coating an alcohol soln. of $\text{Si}(\text{OR})_4$ (where R is an alkyl group) added with the fine particles 1, for example, an ethanol soln. of ethyl silicate on the surface of the glass body and calcining the coating. The SiO_2 formed by decomposition of the above-mentioned silicate is made continuous to form the film 2 which is fixed to the glass body. Since the film 2 having the fine and uniform ruggedness is thereby obtd., an antireflection effect is improved and the mechanical strength is increased.

